

Name _____

Date _____

Period 1 2 3 4 5 6

TOPIC 1 PRACTICE TEST

1. Evaluate $4x^2 + 2y^2 - y$ when $x = 3$ and $y = -3$

2. Evaluate $-5x^3 \div \frac{1}{4}x - 2$ when $x = 2$

3. Solve for n: $-3(2 - 4n) - (n + 5) = 2(1 - 2n)$

4. Solve for a: $\frac{1}{3}a + \frac{2}{5}a = 3$

5. Solve for x: $\frac{3}{8}x + \frac{4}{5} = \frac{3}{4} - \frac{1}{2}x$

6. Solve for x: $\frac{3}{4}x - 6 = y$

7. Solve for n: $5n + m^2n = 8$

8. Solve for x: $3 - 2|x - 1| = -7$

9. Solve and graph: $5x - 4 < 3x + 8$

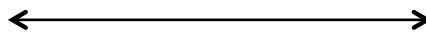


11. Solve and graph: $-3 \leq 2x + 4 < 8$



13. Solve for x: $|1 - 2x| > 7$

10. Solve and graph: $-\frac{1}{2}x - 1 \geq 2$



12. Solve and graph: $2(3x + 6) \leq 32 + 2x \leq -5x + 11$



14. Solve for x: $\frac{|2x - 8|}{4} - 1 < 3$

15. Solve for x: $|5x + 2| + 3x \leq 0$

16. Solve for x: $\left| \frac{2x + 1}{5} \right| < 3$